

LISTING OF CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application.

1-15. (Cancelled)

16. (Withdrawn) An injectable naturally secreted extracellular matrix composition for the treatment of skin or tissue defects comprising injectable human naturally secreted collagen and a pharmaceutically acceptable carrier.

17. (Withdrawn) The composition according to claim 16 wherein the injectable human naturally secreted collagen is produced by a method comprising: (a) culturing cells on a three-dimensional framework under conditions favorable for cellular growth for a pre-determined time period such that an extracellular matrix containing human collagen is secreted onto the inoculated framework creating a coated framework; (b) removing the cells and cellular debris; (c) collecting the naturally secreted collagen deposited on the coated framework and (d) processing the collected collagen with a pharmaceutically acceptable carrier.

18. (Withdrawn) The composition according to claim 17 wherein naturally secreted secreted by different tissue or cell types are mixed between steps (c) and (d), such that ratios of collagen types I-V, respective to each other, are adjusted.

19. (Withdrawn) The composition according to claim 17 wherein the framework is made from a material, said material being selected from the group consisting of polyamide, polyester, polystyrene, polypropylene, polyacrylates, polyvinyl compounds, polycarbonate, polytetrafluorethylene, thermanox, nitrocellulose, cotton, polyglycolic acid, catgut sutures, cellulose, gelatin, chitosan, hyaluronic acid and dextran.

20. (Withdrawn) The composition according to claim 17 wherein the three-dimensional framework has pore spaces of about 150 μm to about 220 μm .

21. (Withdrawn) The composition according to claim 16 wherein the naturally secreted collagen is secreted by tissue specific cells.

22. (Withdrawn) The composition according to claim 16 wherein the naturally secreted collagen is secreted by cells, said cells being selected from the group consisting of fibroblasts, osteoblasts, odontoblasts, chondrocytes, epithelial cells, smooth muscle cells, retinal cells, endothelial cells, stromal cells or combinations thereof.

23-29. (Cancelled)

30. (Withdrawn) The injectable naturally secreted collagen composition according to claim 16, wherein collagen is collagen type I, collagen type II, collagen type III, collagen type IV, or collagen type V.

31. (Withdrawn) The injectable naturally secreted collagen composition according to claim 17, wherein the cells are killed in the coated framework before removing them.

32. (Withdrawn) The injectable naturally secreted collagen composition according to claim 31, wherein the steps of killing and removing the cells are carried out concurrently.

33. (Previously Presented) An injectable composition for the treatment of a skin or tissue defect, comprising a cell-free, injectable formulation of naturally secreted human collagen synthesized by cells in vitro and a pharmaceutically acceptable carrier formulated for in vivo administration by injection via a syringe.

34. (Previously Presented) The injectable composition of claim 33, wherein the human collagen is crosslinked.

35. (Previously Presented) The injectable composition of claim 33, wherein the formulation includes a local anesthetic.

36. (Previously Presented) The injectable composition of claim 34, wherein the local anesthetic is lidocaine.

37. (Previously Presented) The injectable composition of claim 36, wherein the lidocaine is at a concentration of about 0.3%.

38. (Previously Presented) The injectable composition of claim 33, wherein the formulation is sterile.

39. (Previously Presented) The injectable composition of claim 33, wherein the collagen is type I, type III or type IV collagen.

40. (Previously Presented) The injectable composition of claim 33, wherein the collagen is type I and type III collagen.

41. (Previously Presented) The injectable composition of claim 33, wherein the collagen is type III, type IV and type I collagen.

42. (Previously Presented) The injectable formulation of claim 33, wherein the injectable composition is injected intradermally or subcutaneously.

43. (Previously Presented) The injectable composition of claim 33, wherein the injectable composition is injected intradermally or subcutaneously to augment soft tissue, to repair or correct congenital anomalies, acquired defects or cosmetic defects.

44. (Previously Presented) The injectable composition of claim 43, wherein the defects are scars, acne, or wrinkles.